

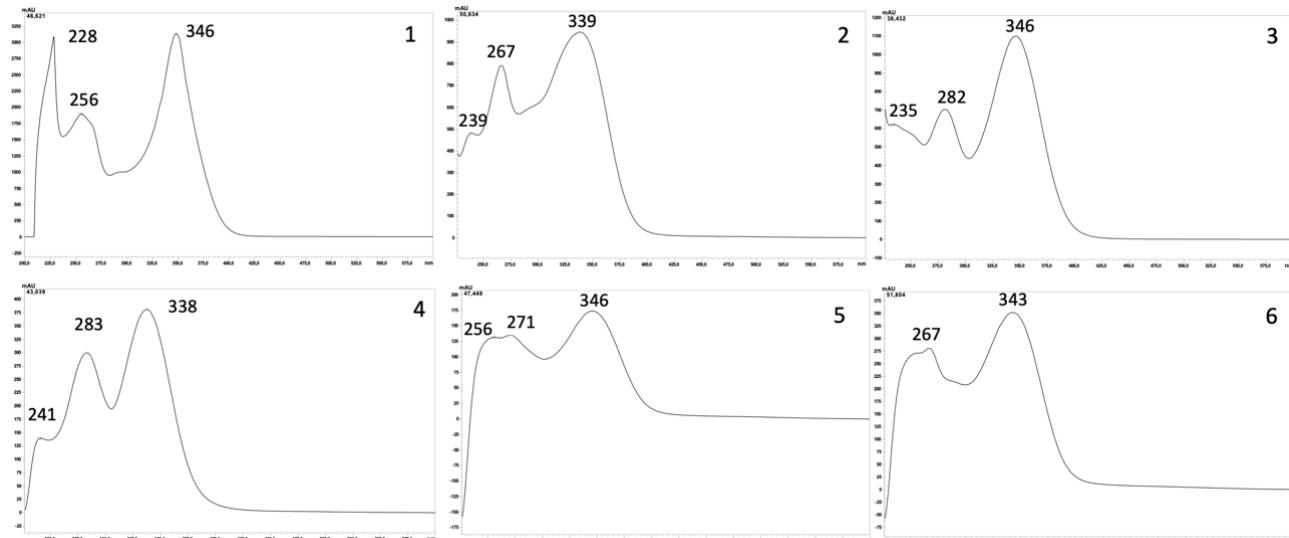
## *Supplementary Material*

### **Antileishmanial activity of flavones-rich fraction from *Arrabidaea chica* Verlot (Bignoniaceae)**

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#### **Supplementary Figures**



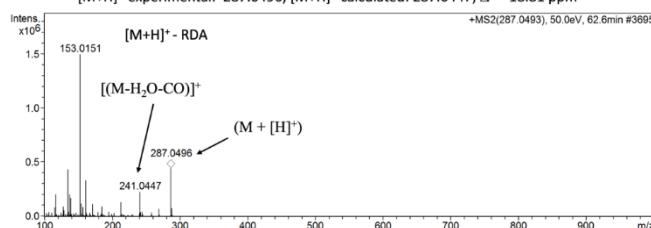
**Supplementary Figure 1.** UV Spectral data of six flavones identified at the flavone rich fraction from *Arrabidaea chica*: (1) luteolin; (2) Apigenin; (3) 6-Hydroxy-luteolin; (4) Scutellarein; (5) Carajuflavone and (6) Chrysoeriol.

## Supplementary Material

### 1. Luteolin

Molecular formula  $C_{15}H_{10}O_6$

$[M+H]^+$  experimental: 287.0496;  $[M+H]^+$  calculated: 287.0447;  $\Delta = -18.81$  ppm

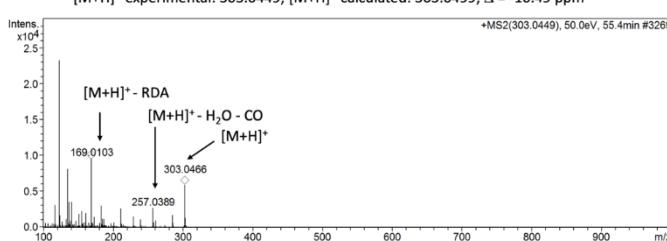


1. Mass spectra of luteolin showing signals ( $M + [H]^+$ ) at 287.0496 ;  $[(M-H_2O-CO)]^+$  at 241.0447 and  $[M+H]^+$  - Retro dials alder fragment at 153.0151 ppm.

### 3. 6-hydroxy-luteolin

Molecular formula  $C_{15}H_{11}O_7$

$[M+H]^+$  experimental: 303.0449;  $[M+H]^+$  calculated: 303.0499;  $\Delta = -16.49$  ppm

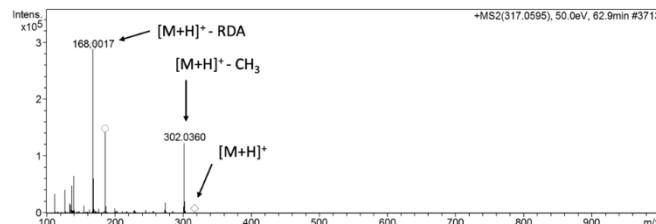


Mass spectra of 6-hydroxy-luteolin showing signals ( $M + [H]^+$ ) at 303.0466 ;  $[M+H]^+$  -  $H_2O - CO$  at 257.0389 and  $[M+H]^+$  - Retro dials alder (RDA) fragment at 169.0103 ppm.

### 5. Carajuflavone

Molecular formula  $C_{16}H_{13}O_7$

$[M+H]^+$  experimental: 317.0595;  $[M+H]^+$  calculated: 317.0655 ;  $\Delta = -18.92$  ppm

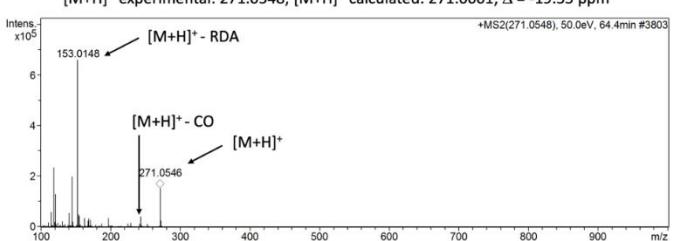


Mass spectra of carajuflavone showing signals ( $M + [H]^+$ ) at 317.0595;  $[M+H]^+$  -  $CH_3$  at 302.0360 and  $[M+H]^+$  - Retro dials alder (RDA) fragment at 168.0017 ppm.

### 2. Apigenin

Molecular formula  $C_{15}H_{10}O_5$

$[M+H]^+$  experimental: 271.0548;  $[M+H]^+$  calculated: 271.0601;  $\Delta = -19.55$  ppm

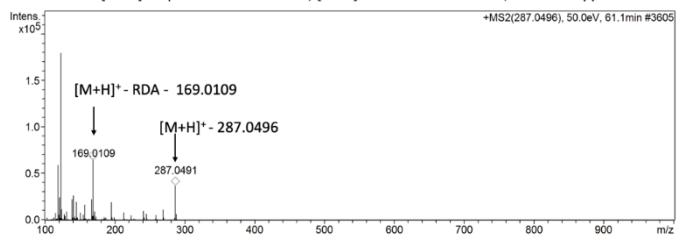


Mass spectra of apigenin showing signals ( $M + [H]^+$ ) at 271.0548 ;  $[M+H]^+$  - CO at 243 and  $[M+H]^+$  - Retro dials alder fragment at 153.0148 ppm.

### 4. Scutellarein

Molecular formula  $C_{15}H_{10}O_6$

$[M+H]^+$  experimental: 287.0496;  $[M+H]^+$  calculated: 287.0550;  $\Delta = -18.86$  ppm

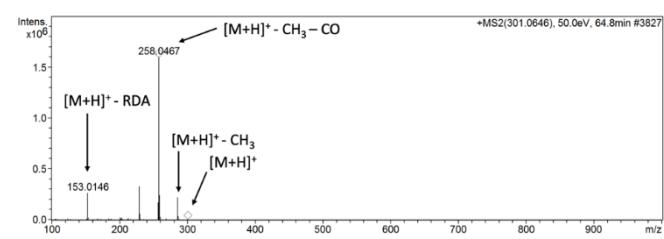


Mass spectra of scutellarein showing signals ( $M + [H]^+$ ) at 287.0496 and  $[M+H]^+$  - Retro dials alder (RDA) fragment at 169.0109 ppm.

### 6. Chrysoeriol

Molecular formula  $C_{16}H_{13}O_6$

$[M+H]^+$  experimental: 301.0646;  $[M+H]^+$  calculated: 301.0706 ;  $\Delta = -20.14$  ppm



Mass spectra of carajuflavone showing signals ( $M + [H]^+$ ) at 301.0646;  $[M+H]^+$  -  $CH_3$  at 286.0414;  $[M+H]^+$  -  $CH_3 - CO$  at 258.0467 and  $[M+H]^+$  - Retro dials alder (RDA) fragment at 153.0146 ppm.

**Supplementary Figure 2.** Mass spectral data of six flavones identified at the flavone rich fraction from *Arrabidaea chica*: (1) luteolin; (2) Apigenin; (3) 6-Hydroxy-luteolin; (4) Scutellarein; (5) Carajuflavone and (6) Chrysoeriol.